



**GRAMIN KRISHI MAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
ODISHA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
Mahisapat, Dhenkanal- 759013**



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Week No.-50

Bulletin No.100
Dt. 16.12.2025
(TUESDAY)

DISTRICT: DHENKANAL (Mid-central Table Land Zone)

Weather condition during last week (10.12.2025 to 16.12.2025)

Rainfall (mm)	0.0
Maximum Temperature (°C)	26.8-27.2
Minimum Temperature (°C)	11.0-13.0

Forecast (Up to 21.12.2025) given by Met. Centre, IMD, Bhubaneswar

Date	Rainfall (mm)	T-MAX (°C)	T-MIN (°C)	Cloud Cover	RH Max (%)	RH Min(%)	Wind Speed (kmph)	Wind Direction (deg)
17-12-2025	0	24	9	2	78	29	3	352
18-12-2025	0	24	9	0	71	22	5	321
19-12-2025	0	24	10	0	64	23	4	329
20-12-2025	0	24	10	0	69	25	6	310
21-12-2025	0	24	10	1	77	26	5	315

Weather Summary:

According to the IMD forecast, Dhenkanal district is likely to dry for the next 5days. The sky is expected to be clear to mainly clear. Wind speeds are anticipated to 03-06 km/h. Maximum and minimum temperatures will be 24°C and 09-10°C respectively. Maximum relative humidity is predicted to be between 64% to 77% and minimum relative humidity ranging from 22% to 29% during this period.

WARNING :- No Warning

Agromet Advisory

General Advisory:

- ❖ As dry weather is forecasted so, farmers should irrigate the recent sown rabi crops and young seedlings with sufficient water to protect them from moisture stress.
- ❖ Carry out shallow hoeing in cole crops to remove weeds and loosen the soil for better aeration.
- ❖ Carry out weeding and earthing up operation in winter vegetables like Brinjal, Tomato and Chilli.
- ❖ Due to forecasted low night temperature coupled with fog during upcoming days, there will be chance of infestation of sucking pests, leaf blight, powdery mildew in the Rabi crops and vegetables, monitor the crops and vegetables, if symptoms are noticed, undertake plant protection measures.

Crop	Stage	Crop and Livestock specific Advisory
PADDY	Pre sowing stage	• Farmers interested to grow summer season rice should procure/arrange good quality seeds of varieties Satyabhama, Sahabhazi Dhan, Mandakini, Manaswini, DRR 42, DRR-43, DRR-44, Bina 11, GB-1, Improved Lalat, MTU 1010, MTU 1001, Naveen, Swarna Shreya.
SUGARCANE	Planting stage	• December to February is the optimum time for planting of sugarcane for our climate. Farmers are advised to go for planting of sugarcane in well-drained soil having good irrigation facility.
BLACK GRAM & GREEN	Vegetative stage	• Due to low temperature and foggy condition there is a chance of powdery mildew disease in Black gram and Green gram. To control this disease, spray Sulphur 80% WP @800 g/acre or Hexaconazole 5% E.C @ 300 ml/acre.

GRAM		
SESAME	Vegetative stage	<ul style="list-style-type: none"> To manage leaf spot disease in Sesame crop spray Copper oxychloride 50% WP @ 400-gram/acre or Mancozeb @ 600 gm/acre or Hexaconazole @ 200 gram/acre. To spray the fungicide 200-litre of water per acre is required.
GROUNDNUT	Vegetative stage	<ul style="list-style-type: none"> Due to present cloudy weather the population of Aphids may rise in Groundnut crop. To manage these pests at early stage of infestation spray neem-based pesticide (Neem Oil 15000 PPM) @ 600-ml/acre by mixing in 200-litre of water. Use yellow sticky trap @ 8/acre. You can also use Trichogramma chilonis card @ (1-2)/acre (100000/ha) at weekly interval for 6 times by splitting each card into 12 pieces at the scheduled points. To manage these pests chemically spray Thiamethoxam 25 % WG @ 40g /acre or Emamectin Benzoate 5 % SG @ 80 g/acre or Spinosad 45 % SC @ 75 ml/acre by mixing in 200 litre of water.
MUSTARD	Vegetative stage	<ul style="list-style-type: none"> There will be chances of Sawfly infestation in Mustard crop. To manage this pest, irrigation should be done in seedling stage (3-4 weeks) because most of the larvae dies due to drowning effect. Manually collect and destroy grubs of sawfly in morning and evening hours. To manage Mustard sawfly spray Ethofenprox 10 % EC @ 200-ml/acre or Chlorpyrifos 50% + Cypermethrin 5 % E.C @ 400 ml/acre by mixing it in 200 litre of water.
CUCURBITS	Flowering / Fruiting stage	<ul style="list-style-type: none"> There will be increase infestation of downy mildew due to present low temperature and foggy condition. To control this disease in cucurbits, Spray Metalaxyl 8% + Mancozeb 64% W.P @ 400 g/acre or Fosetyl - AL 80 % WP @ 600 g/acre.
INDIAN BEAN	Fruiting stage	<ul style="list-style-type: none"> To manage aphids at early stage, put 8 numbers of yellow sticky traps per acre. Spray Neem based pesticide 15000 PPM @ 600ml/acre by mixing in 200litre of water. If the infestation is severe than spray chemical pesticide Thiamethoxam 25 % WG @ 50g/acre or Acetamiprid 20 % SP @ 50 g/acre in 200-liter of water.
SPINACH	Sowing stage	<ul style="list-style-type: none"> Some varieties of Palak are Pusa Palak, All Green, Pusa Jyoti, Pusa Harit, Komal, Punjab Green. For cultivation of Palak 10 12 kg seed is required per acre. Line sowing is done with a spacing of 20 cm and 2-3 cm depth. Let's discuss about seed treatment and sowing time of Palak. Soak the seeds in water for 10-12 hour before sowing.
GARLIC	Planting stage	<ul style="list-style-type: none"> Currently it is the perfect time for planting garlic. Some varieties of Garlic include Agrifound white, Jamuna Safed (G-1), G-282, Agrifound Parvati (G-323) etc. In Garlic, 200-300 Kg cloves per acre is required for Cultivation. Garlic cloves should be treated with Carbendazim @ 2 g per kg of seeds. A spacing of 15 cm between the rows and 8 cm within the rows is optimum for Garlic.
POTATO	Vegetative stage	<ul style="list-style-type: none"> There are chances of Early leaf Blight disease incidence in potato crop. To control early leaf blight in potato, spray Mancozeb 75% WP @600 g /acre or Carbendazim 12% + Mancozeb 63% W.P @ 400 g /acre.
POULTRY		<ul style="list-style-type: none"> In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.
ANIMAL HUSBANDY		<ul style="list-style-type: none"> In winter during cold hours farmers should keep doors, windows and open spaces in sheds covered with polythene or gunny bag curtains to prevent direct contact to cold air. Give animals mineral mixture along with salt regularly and also wheat grains, jaggery etc. @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals. •

Approved by ADR cum Nodal Officer
GKMS-AMFU, RRTTS
Mahisapat, Dhenkanal

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